

# WHEELCHAIR CAMPING WITH NO POWER

Charging the batteries on your powerchair is dependent on several variables:

- The size of the batteries fitted
- The depth of the discharge
- The length of time away from power
- Battery charger size (8A or 10A charger).

Wheelchair users who frequently venture off-grid for several days at a time generally use a solar system to charge the storage battery, and would most likely use this in combination with additional power sources. Here are some tips to consider:

- Charge at any opportunity when the grid is available:
  - Be sure to fully charge your chair at home before leaving
  - Consider caravan parks or other outlets where you may be able to locate power. For example, is there a bathroom block with a power outlet that could be used to charge the chair?
  - Could the charger be carried and used to top up the charge in a café, for example?
- Charging while on the move from a vehicle's alternator
- Charging from a generator when there is a lack of sunshine due to weather or shading.

When camping with no power, you have two available options:

- Option one: Petrol Generator, or
- Option two: Solar.

Please refer to the following pages for additional information.

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**Please contact Magic Mobility if you require further information.**

3 International Court, Scoresby Vic 3179 Australia

Tel +61 3 8791 5600

Email [enquiries@magicmobility.com.au](mailto:enquiries@magicmobility.com.au)

Web <https://www.magicmobility.com.au>

## Option 1 – PETROL GENERATOR

**For example: Honda 1KVA Inverter Generator – EU10i**

- This generator has more than enough power output to recharge your batteries overnight
- A 10A charger will charge the batteries faster than an 8A charger
- Some people use a long extension lead to move the generator away from the camping area.



**FUEL**



**GENERATOR**



**OPTIONAL  
EXTENSION  
CABLE**



**CHAIR CHARGER**



**WHEELCHAIR**



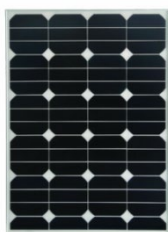
**CONSIDER OPTIONAL  
SECURITY FOR YOUR  
GENERATOR**

## Option 2 - SOLAR

- This system has enough power output to recharge your batteries overnight
- A 10A charger will charge the batteries faster than an 8A charger
- For an overnight trip, the 12V Lithium Battery could be charged at home before departing
- A third solar panel may be required if there is less than 5 hours of sunshine. Similarly, one panel may be adequate on particularly sunny days
- If you have an XT powerchair that has been discharged significantly, regularly (assuming there is decent sunshine and the panels are not in the shade and facing the right direction), you may need 4 solar panels
- Lithium batteries may require regular charging according to the manufacturer's guidelines.



**5 HOURS**



**2 x 200W  
SOLAR PANELS**



**12V 200A  
LITHIUM BATTERY**



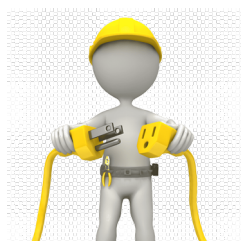
**500W SIN  
WAVE INVERTOR**



**WHEELCHAIR  
CHARGER**



**WHEELCHAIR**



**CONSULT AN ELECTRICIAN, CAMPING SPECIALIST,  
OR SIMILAR, BEFORE LEAVING**